

Title (en)

Liquid crystal compounds having fluorine-containing core.

Title (de)

Flüssigkristallzusammensetzung mit Fluor enthaltendem Kern.

Title (fr)

Compositions de cristaux liquides ayant un noyau contenant du fluor.

Publication

EP 0256303 A2 19880224 (EN)

Application

EP 87110035 A 19870711

Priority

- US 6107187 A 19870623
- US 88761986 A 19860721

Abstract (en)

Liquid crystal compounds exhibiting ferroelectric behavior and favorable spontaneous polarization values are disclosed and have the formula <CHEM> wherein Ar is p-phenylene or p,p min -biphenylene; L is a linking group selected from -CH₂-, -O-, <CHEM> n is an integer one or two; each of Z and Z min is alkyl, alkoxy, alkoxyalkyl or an optically active group containing an asymmetric center; at least one of Z and Z min being said optically active group containing an asymmetric center. Compounds exhibiting the chiral smectic C phase are particularly suited to application in a ferroelectric display device.

IPC 1-7

C07C 69/773; **C07C 69/92**; **C09K 19/20**

IPC 8 full level

C07C 69/773 (2006.01); **C09K 19/20** (2006.01)

CPC (source: EP)

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Cited by

US4943386A; EP0332025A1; GB2294461A; GB2294461B; GB2301355A; GB2301355B; US5891358A; US4911862A; US4914224A; WO9518848A1; WO9429405A1; US6242636B1; US6278028B1; US6337420B1; WO9835931A1; WO8908639A1

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